

Fig. 1a

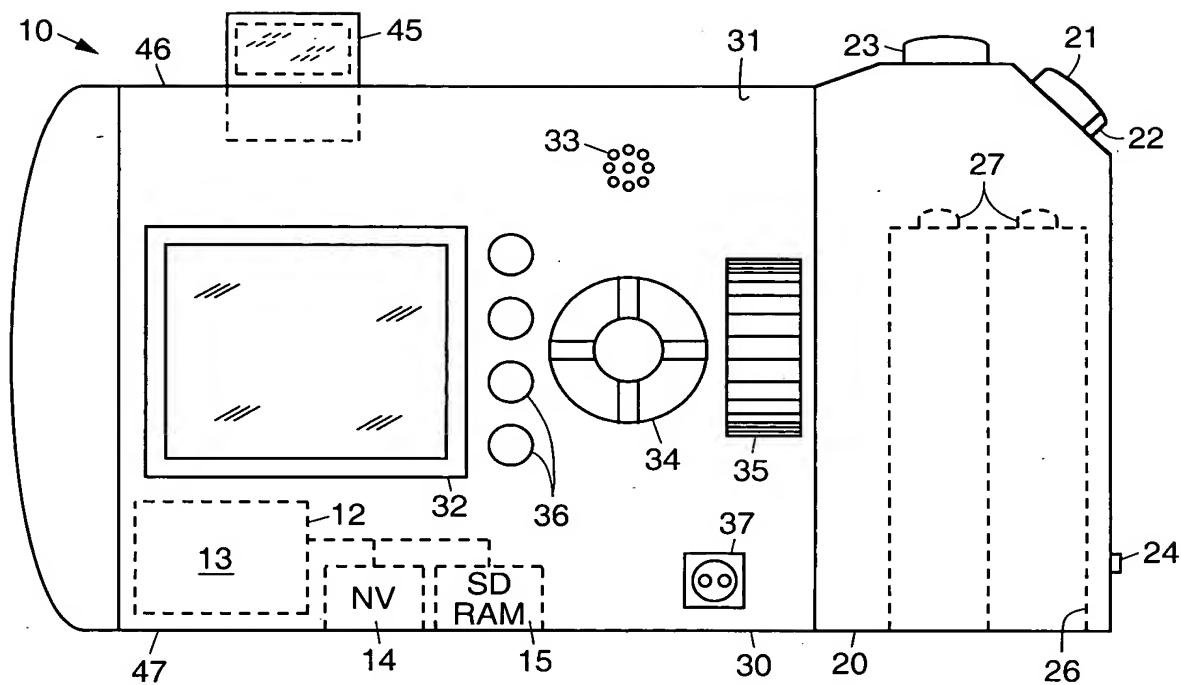


Fig. 1b

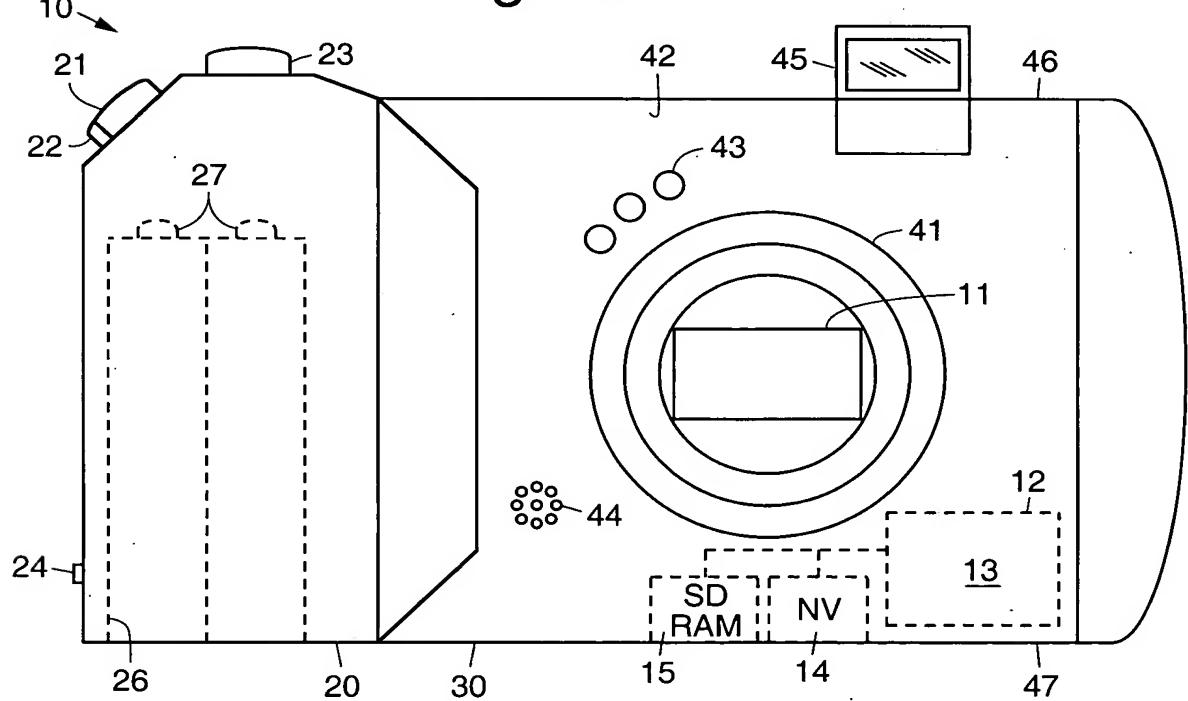
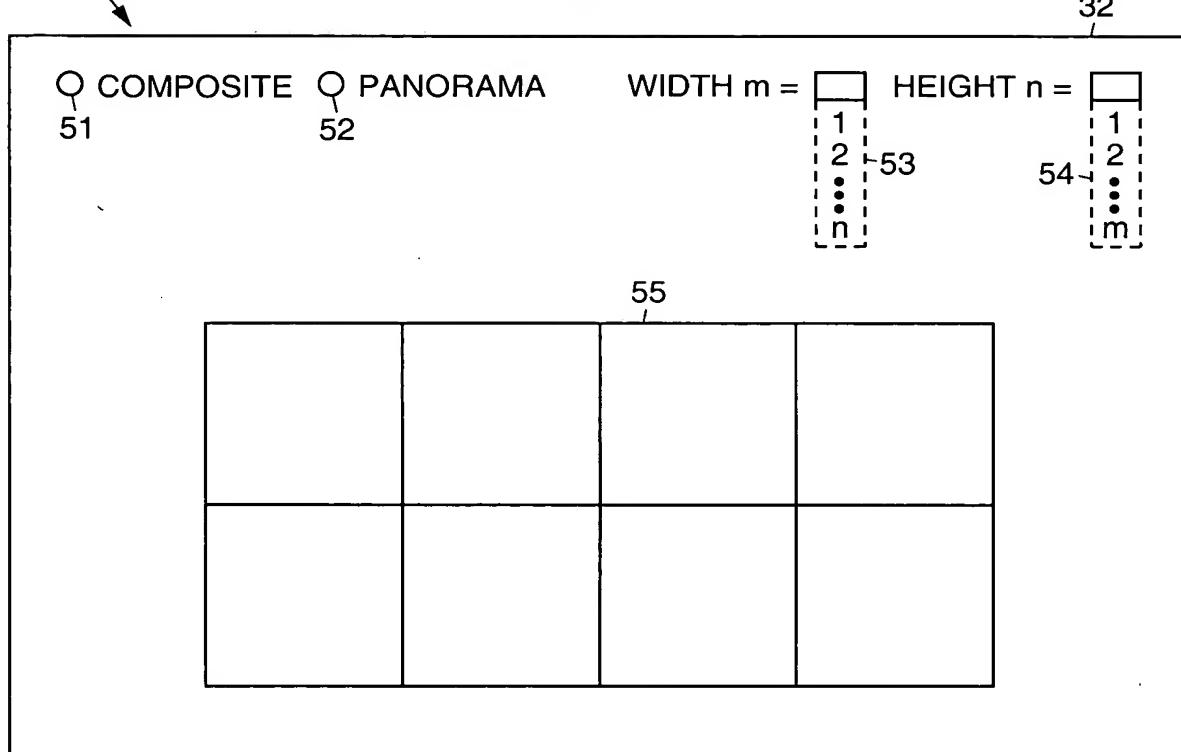


Fig. 2



70

Fig. 6

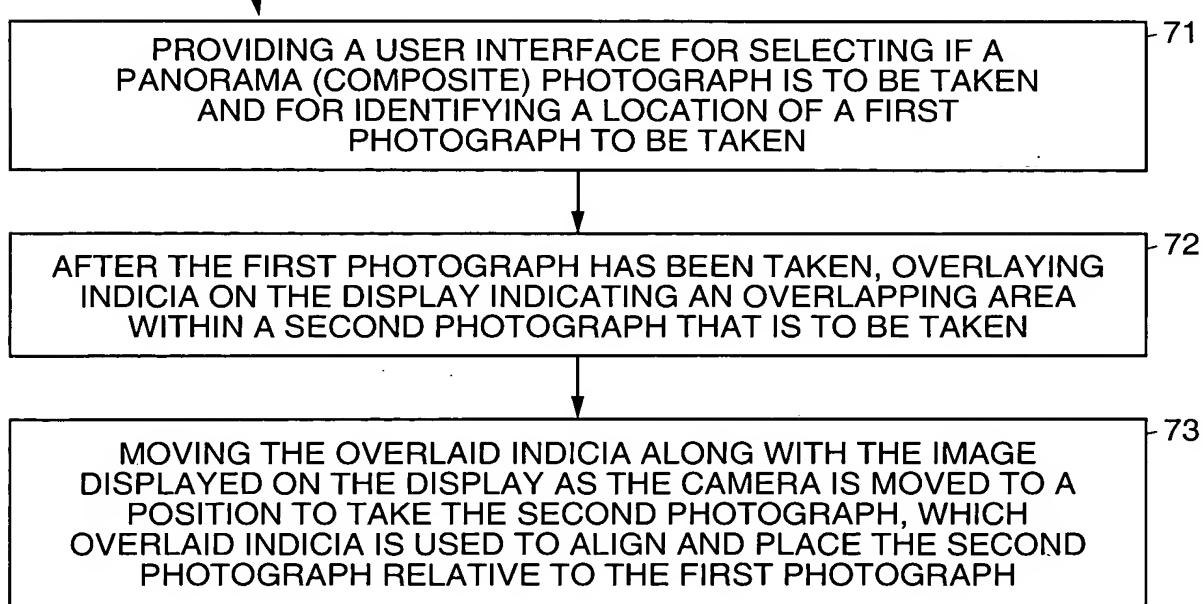
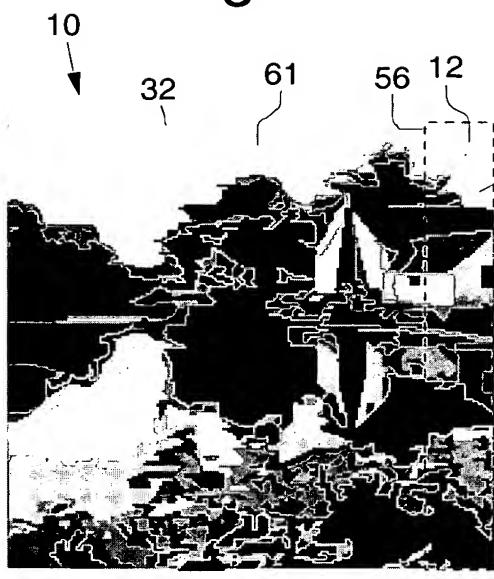
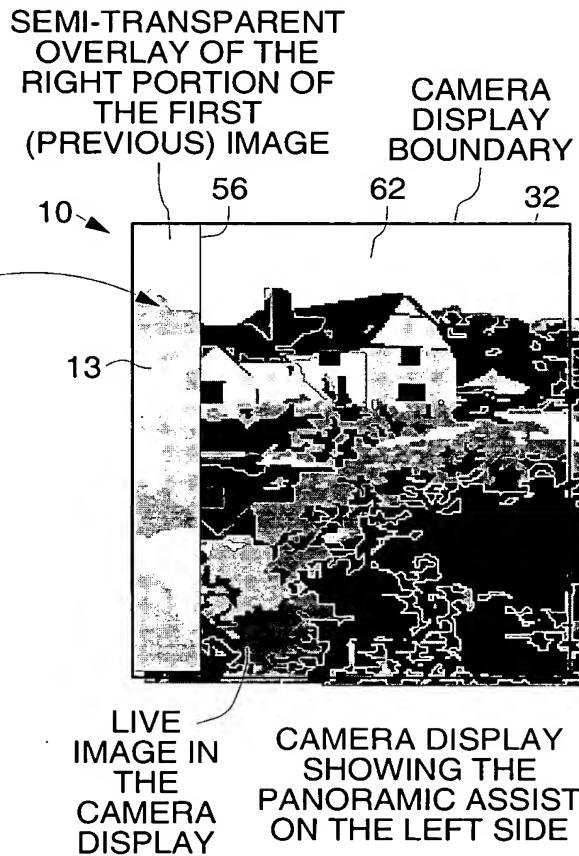


Fig. 3a



FIRST IMAGE TAKEN

Fig. 3b



LIVE IMAGE IN THE CAMERA DISPLAY
CAMERA DISPLAY SHOWING THE PANORAMIC ASSIST ON THE LEFT SIDE

Fig. 3c

DESIRED PANORAMIC IMAGE

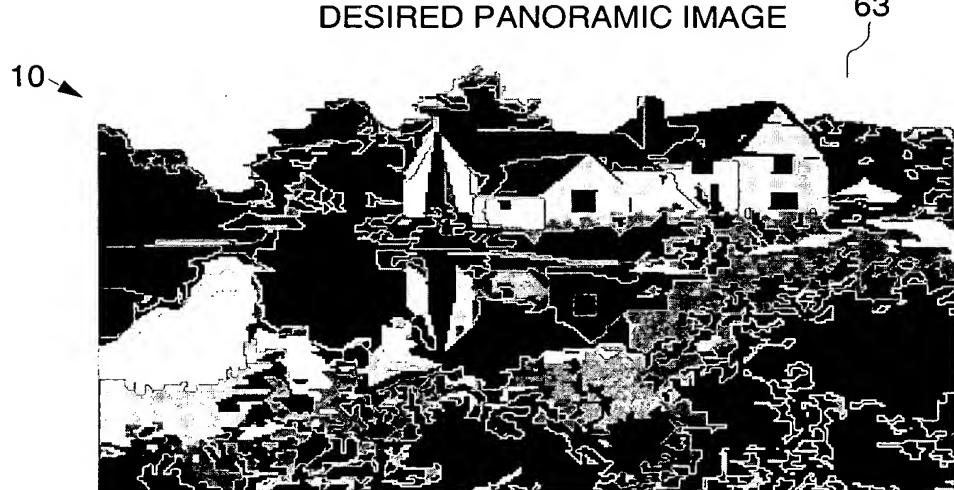
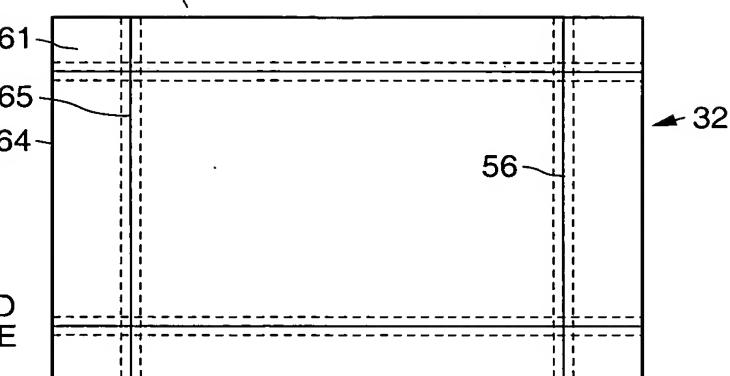
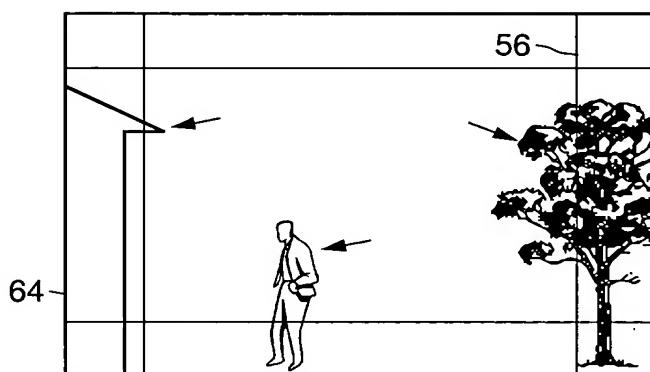


Fig. 4a

A USER TAKES A PHOTO
SOLID GUIDE LINES
ARE DISPLAYED
DOTTED LINES (NOT VISIBLE)
INDICATE REGIONS WHERE THE
ALGORITHM SEARCHES FOR AN
EDGE OR OBJECT TO TRACK, AND
TRIES TO IDENTIFY ONE OR MORE
ON EACH SIDE OF THE PHOTO

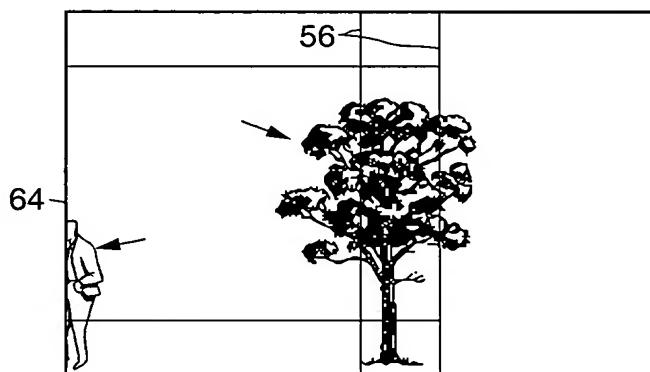
**Fig. 4b**

ARROWS (NOT VISIBLE
TO THE USER) INDICATE
POTENTIALLY USEFUL
EDGES FOR TRACKING

**Fig. 4c**

GUIDELINES ARE MOVED WITH
THE LIVE IMAGE AS THE USER
MOVES THE CAMERA TO SET
UP FOR THE NEXT PHOTO

ARROWS INDICATE THE
LOCATIONS THAT ARE
TRACKED BY THE ALGORITHM

**Fig. 4d**

THE USER PLACES THE
OVERLAPPING REGION
CORRECTLY AT THE EDGE
BY PUTTING THE LINES
ALONG THE CORRECT SIDE

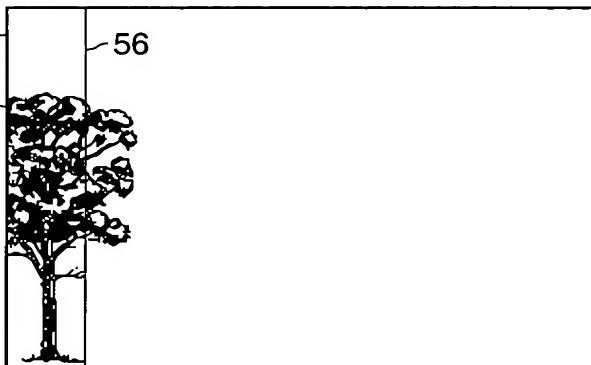
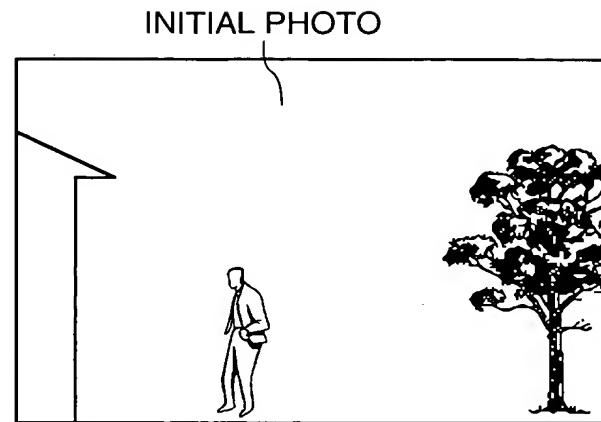
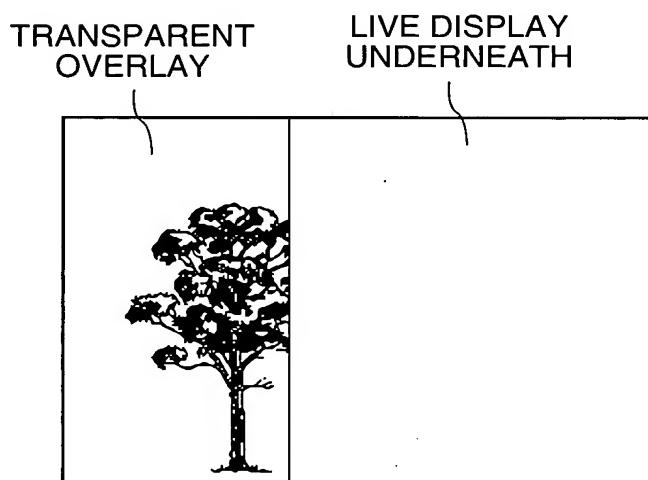


Fig. 5a

A USER TAKES A PHOTO
 THE USER PRESSES "PANORAMA/COMPOSITE"
 THE IMAGE CHANGES TO TRANSPARRENT OVERLAY WITH THE LIVE IMAGE ALSO DISPLAYED BENEATH IT
 THE USER PRESSES "←"

**Fig. 5b**

TRANSPARENT IMAGE "SLIDES" OVER THE THE USER-INDICATED SIDE

**Fig. 5c**

THE USER MOVES THE CAMERA TO ALIGN THE LIVE IMAGE WITH THE CORRECTLY-POSITIONED TRANSPARENT OVERLAY FOR OPTIMAL RESULTS

THE CAMERA CAN ALSO STORE INFORMATION RELATED TO THE SEQUENCE OF THE PHOTOS AND THEIR PPOSITIONS RELATIVE TO ONE ANOTHER

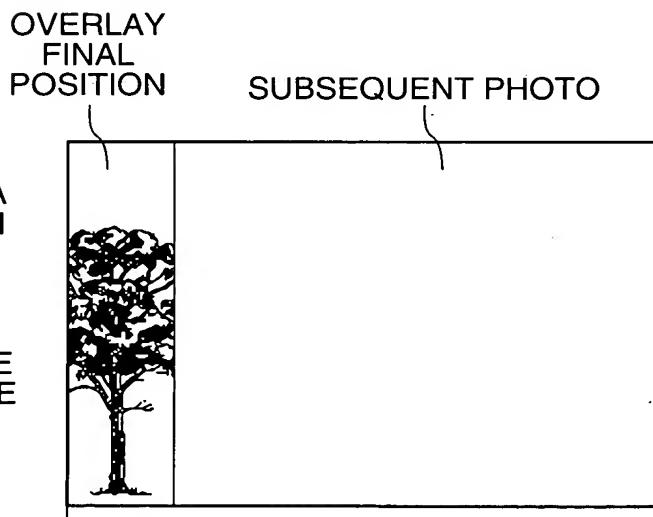


Fig. 7

